IN THE SPECIFICATION:

The specification as amended below with replacement paragraphs shows added text with underlining and deleted text with ~~strikethrough~~.

Please REPLACE the paragraph beginning at page 9, line 10, with the following paragraph:

With the bearing assembly having the temperature sensor built therein in accordance with each one of the first and second embodiments of the present invention, since the temperature sensor 13 is secured to the core metal 9 of the inner sealing member 7 which is susceptible to change in temperature as a function of change in temperature of the bearing assembly, detection of the temperature of the core metal 9 leads to detection of the temperature inside the bearing assembly and, accordingly~~,~~ with high accuracy, it is possible to detect whether or not the temperature inside the bearing assembly increases beyond a critical value, i.e., to detect an abnormal temperature occurring inside the bearing assembly. If the inner sealing member 7 is of a non-contact type, the temperature of the core metal 9 will attain to a value about equal to the temperature inside the bearing assembly, whereas if the inner sealing member 7 is of a contact type, it will attain a value higher than that inside the bearing assembly by about 30 to 50°C. Accordingly, depending on the specification of the inner sealing ~~means~~ member 7 to be employed, a determined temperature setting of a determining means is carried out for the determination of the abnormal temperature.

Please REPLACE the paragraph beginning at page 9, line 26, with the following paragraph:

Also, since the temperature sensor 13 is integrated together with the inner sealing member 7, the bearing assembly 1 is thus of a design integrated with the temperature sensor 13 and the number of independent and separate components used to complete the bearing assembly is thus reduced. Accordingly, servicing of the bearing assembly including a replacement of the bearing can easily be performed.

Please REPLACE the paragraph beginning at page 10, line 27, with the following paragraph:

In the embodiment, as shown in Fig. 5, the outer race 3 is fixed to the inner peripheral surface of a housing (not shown) whereas the inner race 2 is fixedly mounted on an axle ~~1A~~11A. Accessories 17 which serve as an oil slinger and an end closure, respectively, are mounted on different portions of the axle 11A adjacent the opposite ends of the inner race 2. The sealing means 6A is disposed between these accessories 17 and the outer race 3.